

Table 8.2c Electricity Net Generation: Electric Power Sector by Plant Type, 1989-2009

(Breakout of Table 8.2b; Billion Kilowatthours)

Year	Fossil Fuels					Nuclear Electric Power	Hydro-electric Pumped Storage ⁵	Renewable Energy							Other ¹⁰	Total
	Coal ¹	Petroleum ²	Natural Gas ³	Other Gases ⁴	Total			Conventional Hydroelectric Power ⁶	Biomass		Geo-thermal	Solar/PV ⁹	Wind	Total		
									Wood ⁷	Waste ⁸						
Electricity-Only Plants ¹¹																
1989	1,554.0	158.3	266.9	—	1,979.3	529.4	(⁶)	269.2	4.2	6.9	14.6	0.3	2.1	297.3	—	2,805.9
1990	1,560.2	117.6	264.7	(s)	1,942.4	576.9	-3.5	289.8	5.6	10.4	15.4	.4	2.8	324.3	—	2,840.0
1991	1,551.9	112.2	267.8	(s)	1,931.9	612.6	-4.5	286.0	6.0	12.2	16.0	.5	3.0	323.7	—	2,863.6
1992	1,577.1	90.1	270.9	(s)	1,938.0	618.8	-4.2	250.0	6.6	14.4	16.1	.4	2.9	290.4	—	2,843.1
1993	1,642.1	100.6	267.2	(s)	2,009.9	610.3	-4.0	277.5	7.2	14.9	16.8	.5	3.0	319.8	—	2,935.9
1994	1,639.9	92.1	299.7	(s)	2,031.7	640.4	-3.4	254.0	7.6	15.4	15.5	.5	3.4	296.5	—	2,965.2
1995	1,658.0	62.0	317.4	(s)	2,037.4	673.4	-2.7	305.4	5.9	16.3	13.4	.5	3.2	344.7	—	3,052.8
1996	1,742.8	68.5	272.8	(s)	2,084.1	674.7	-3.1	341.2	6.5	16.1	14.3	.5	3.2	381.8	—	3,137.6
1997	1,793.2	80.3	291.1	(s)	2,164.6	628.6	-4.0	350.6	6.5	16.4	14.7	.5	3.3	392.0	—	3,181.3
1998	1,823.0	115.7	335.9	.1	2,274.6	673.7	-4.5	317.9	6.6	17.0	14.8	.5	3.0	359.8	—	3,303.6
1999	1,832.1	104.8	356.6	(s)	2,293.6	728.3	-6.1	314.7	7.3	17.1	14.8	.5	4.5	358.8	—	3,374.6
2000	1,910.6	98.0	399.4	.2	2,408.2	753.9	-5.5	271.3	7.3	17.6	14.1	.5	5.6	316.4	—	3,472.9
2001	1,851.8	113.2	427.0	(s)	2,392.0	768.8	-8.8	213.7	6.6	11.3	13.7	.5	6.7	252.6	5.9	3,410.5
2002	1,881.2	83.3	456.8	.2	2,421.5	780.1	-8.7	260.5	7.3	11.2	14.5	.6	10.4	304.3	7.6	3,504.8
2003	1,915.8	108.5	421.2	.3	2,445.7	763.7	-8.5	271.5	7.4	11.9	14.4	.5	11.2	317.0	7.6	3,525.5
2004	1,921.1	109.4	491.2	.4	2,522.0	788.5	-8.5	265.1	8.1	11.8	14.8	.6	14.1	314.5	7.6	3,624.1
2005	1,955.5	111.2	553.2	(s)	2,619.9	782.0	-6.6	267.0	8.5	11.7	14.7	.6	17.8	320.3	6.2	3,721.8
2006	1,933.7	55.2	618.0	(s)	2,607.0	787.2	-6.6	286.2	8.3	12.5	14.6	.5	26.6	348.7	6.3	3,742.7
2007	1,962.0	56.9	686.3	.1	2,705.3	806.4	-6.9	245.8	8.7	12.9	14.6	.6	34.4	317.1	6.0	3,828.0
2008	^R 1,932.0	^R 39.3	^R 683.3	(s)	^R 2,654.6	806.2	^R -6.3	^R 253.1	^R 8.6	^R 14.0	^R 15.0	^R .9	^R 55.4	^R 346.9	^R 6.0	^R 3,807.4
2009 ^P	1,718.8	31.8	721.8	.1	2,472.4	798.7	-4.3	270.2	8.3	14.3	15.2	.8	70.8	379.6	6.2	3,652.7
Combined-Heat-and-Power Plants ¹²																
1989	8.4	0.7	30.4	0.5	39.9	—	—	—	1.3	0.9	—	—	—	2.2	0.3	42.3
1990	11.9	1.3	44.8	.6	58.7	—	—	—	1.4	1.1	—	—	—	2.6	(s)	61.3
1991	16.9	.6	50.0	.7	68.2	—	—	—	1.7	1.6	—	—	—	3.3	.4	71.9
1992	20.7	2.2	63.4	1.2	87.4	—	—	—	1.9	1.5	—	—	—	3.4	.5	91.3
1993	23.4	4.8	75.0	1.0	104.2	—	—	—	2.0	1.4	—	—	—	3.4	.4	108.0
1994	26.4	6.6	86.0	1.1	120.1	—	—	—	1.6	1.6	—	—	—	3.2	.2	123.5
1995	28.1	6.1	101.7	1.9	137.9	—	—	—	1.7	1.7	—	—	—	3.4	.2	141.5
1996	29.2	6.3	105.9	1.3	142.7	—	—	—	1.9	1.7	—	—	—	3.6	.2	146.6
1997	27.6	6.2	108.5	1.5	143.7	—	—	—	2.2	2.1	—	—	—	4.3	.1	148.1
1998	27.2	6.6	113.4	2.3	149.4	—	—	—	2.0	2.3	—	—	—	4.2	.2	153.8
1999	26.6	6.7	116.4	1.6	151.2	—	—	—	1.7	2.4	—	—	—	4.1	.1	155.4
2000	32.5	7.2	118.6	1.8	160.2	—	—	—	1.6	2.7	—	—	—	4.3	.1	164.6
2001	31.0	6.0	128.0	.6	165.5	—	—	—	1.7	1.7	—	—	—	3.4	.6	169.5
2002	29.4	6.5	150.9	1.7	188.5	—	—	—	1.7	2.0	—	—	—	3.7	1.4	193.7
2003	36.9	5.2	146.1	2.4	190.6	—	—	—	2.1	1.9	—	—	—	4.0	1.1	195.7
2004	36.1	5.3	136.0	3.2	180.6	—	—	—	1.6	1.3	—	—	—	2.9	.7	184.3
2005	36.5	5.3	130.7	3.8	176.2	—	—	(s)	2.1	1.3	—	—	—	3.4	.7	180.4
2006	36.0	4.5	116.4	4.2	161.1	—	—	(s)	2.0	1.4	—	—	—	3.5	.8	165.4
2007	36.4	4.4	128.4	3.9	173.2	—	—	(s)	2.0	1.4	—	—	—	3.5	.7	177.4
2008	^R 36.9	^R 3.6	^R 119.0	3.2	^R 162.7	—	—	(s)	^R 2.0	1.4	—	—	—	^R 3.4	.8	^R 166.9
2009 ^P	30.8	4.0	119.2	3.0	157.0	—	—	(s)	2.2	1.4	—	—	—	3.7	.9	161.6

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal symfuel.

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, plus a small amount of supplemental gaseous fuels.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Pumped storage facility production minus energy used for pumping.

⁶ Through 1989, hydroelectric pumped storage is included in "Conventional Hydroelectric Power."

⁷ Wood and wood-derived fuels.

⁸ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

⁹ Solar thermal and photovoltaic (PV) energy.

¹⁰ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

¹¹ Electricity-only plants within the NAICS 22 category whose primary business is to sell electricity to the

public. Data also include a small number of electric utility combined-heat-and-power (CHP) plants.

¹² Combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity and heat to the public. Data do not include electric utility CHP plants—these are included under "Electricity-Only Plants."

R=Revised. P=Preliminary. — = No data reported. (s)=Less than 0.05 billion kilowatthours.

Notes: • See Table 8.2d for commercial and industrial CHP and electricity-only data. • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.gov/fuelelectric.html>.

Sources: • 1989-1997—U.S. Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report." • 1998-2000—EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001-2003—EIA, Form EIA-906, "Power Plant Report." • 2004-2007—EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • 2008 and 2009—EIA, Form EIA-923, "Power Plant Operations Report."